Amendments to the Specification:

Please add the following new paragraphs before the paragraph that begins at page 4, line 1 with the words "Description of the Preferred Embodiments":

Brief Description of the Drawings

FIG. 1 shows a partial perspective view of a femur;

FIG. 2 shows a schematic view of the femur of FIG. 1 identifying resected bone portions in accordance with principles of the present invention;

FIG. 3 shows a partial cutaway view of the femur of FIG. 2 with a proximal prosthesis implanted therein, the proximal prosthesis having a trochanter engaged thereto in accordance with principles of the present invention;

FIG. 4 shows a plan view of the proximal prosthesis of FIG. 3 with the trochanter removed to show a mounting platform in accordance with principles of the present invention;

FIG. 5 shows a partial cross-section view of the mounting platform of FIG. 4 showing a keystone slot with dove-tail undercuts;

FIG. 6 shows the surface of the trochanter of FIG. 3 removed from the proximal prosthesis and prepared with a mating feature formed complementary to the mounting platform shown in FIG. 4 in accordance with principles of the present invention;

FIG. 7 shows a side view of the trochanter of FIG. 6;

FIG. 8 shows a partial cross-sectional view of an alternative embodiment of a prosthesis that includes a keystone slot for mechanically mating with a prepared surface feature of a trochanter, the prosthesis including a bore for receiving a wire or cable used

to provide additional mechanical fixation of a trochanter to the prosthesis in accordance

with principles of the present invention;

FIG. 9 shows a front plan view of an alternative embodiment of a prosthesis that

may include a keystone slot for mechanically mating with a prepared surface feature of a

trochanter, the prosthesis further including a slot for receiving an axle of a scaffold used

to provide additional mechanical fixation of a trochanter to the prosthesis in accordance

with principles of the present invention;

FIG. 10 shows a side plan view of an alternative embodiment of a scaffold

incorporating cross bars to allow the use of bone screws to provide additional mechanical

fixation of a trochanter to the prosthesis in accordance with principles of the present

invention;

FIG. 11 shows a perspective view of a system including a cutting jig for preparing

a removed bone portion to mate with a feature on a prosthesis in accordance with

principles of the present invention; and

FIG. 12 shows a cutting tool used with slots in the cutting jig of FIG. 11 to create

mating features on the removed bone portion.

Please delete the paragraph that begins at page 4, line 2, with the words "While

the invention has been illustrated."

Please add the following new paragraph prior to the paragraph that begins at page

4, line 8, with the words "For illustrative purposes":

For the purposes of promoting an understanding of the principles of the

invention, reference will now be made to the embodiments illustrated in the drawings and

described in the following written specification. It is understood that no limitation to the scope of the invention is thereby intended. It is further understood that the present invention includes any alterations and modifications to the illustrated embodiments and includes further applications of the principles of the invention as would normally occur to one skilled in the art to which this invention pertains.

Please insert the following paragraph after the paragraph that ends on page 9, line 3 with the words "attached to the soft tissues F":

While the invention has been illustrated and described in detail in the drawings and foregoing description, the same should be considered as illustrative and not restrictive in character. It is understood that only the preferred embodiments have been presented and that all changes, modifications and further applications that come within the spirit of the invention are desired to be protected.

Please delete the paragraph that begins at page 9, line 4 with the words "For the purposes of."